

ABSTRACT

A coupling assembly is provided such that a conduit having an annular bead and an annular seal can be slidably inserted into a specially formed port. The port is provided with a series of beveled surfaces that accommodate the seal in such a way that the conduit can be slidably inserted with a reduced risk of seal extrusion. An anchor plate is provided for bearing down on a side of the annular bead opposite the port in order to hold the conduit in place after insertion. The coupling assembly can include two or more conduits inserted into respective ports having the series of beveled surfaces. According to one embodiment, the port(s) also includes a counterbored surface at a depth of the port at or near where the end of the conduit reaches.